

In an electronic endoscope apparatus which generates interlaced scanning signals, that is, odd and even field signals, from a video signal obtained by a CCD for display of an image on a TV monitor, there is provided a resolution conversion circuit. For example, the resolution conversion circuit reads twice the same field signal stored in memory at a double speed of a clock signal, writes the signal as a frame signal for non-interlaced scanning, and then twice reads data of the same horizontal line at a quadruple speed of a clock signal. Thereby, a greater resolution image of the same field data can be obtained with 970 horizontal lines arranged with high density in one vertical scanning period. The obtained image is used on a display unit other than a TV monitor.